Product data sheet

Specifications

Green Premium™

Modicon M171 Optimized Blind 22 I/Os

TM171OB22R

⊘ Discontinued on: Jul 12, 2021

Product availability: Non-Stock - Not normally stocked in distribution facility

⊘ **Discontinued**

Main

Range of Product	Modicon M171/M172
Product or Component Type	Controller
Product Specific Application	HVAC and pumping solution
variant	Programmable
Total inputs/outputs	22
Discrete input number	6
Discrete output number	1 open collector 3 relay outputs SPST with same common 2 relay outputs SPST with independent common
Discrete output current	2 A relay
Analogue input number	2 configurable 3 analog input NTC
Analogue output number	3 voltage 0...10 V 2 PWM/PPM 20 kHz, 12 V, 35 mA

Complementary

Number of port	1 LAN expansion bus
Input/output number	5 analog output 6 digital input 5 analog input 6 digital output
Discrete input logic	Sink or source (positive/negative)
Contacts usage	Volt-free contacts
Analogue input type	voltage 0...5 V ratiometric) voltage 0...10 V NTC temperature probe - 50...100 °C 0.1 °C current 0...20 mA/4...20 mA voltage 0...1 V
Sensor power supply	12 V DC 85 mA 5 V DC 20 mA
[Us] rated supply voltage	24 V 12...24 V AC
Power consumption in W	4 W 100...240 V AC
Realtime clock	Built-in clock at -4…131 °F (-20…55 °C)
Display type	Without Display
Overvoltage category	II
Mounting Support	DIN rail

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Width	2.8 in (70.2 mm)
Height	3.4 in (87 mm)
Depth	2.4 in (61.6 mm)
Net Weight	0.42 lb(US) (0.19 kg)

Environment

Directives	86/188/EEC - physical agents (noise) directive 2006/95/EC - low voltage directive
Standards	EN/IEC 60730
Product Certifications	EAC CSA cURus CE
Ambient air temperature for operation	-4…131 °F (-20…55 °C) UL 60730-1
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Relative humidity	10…90 % non-condensing
IP degree of protection	IP20
Pollution degree	2

Ordering and shipping details

Category	US1PC1222537
Discount Schedule	PC12
GTIN	03606480752728
Returnability	No
Country of origin	IT

Sustainability

Green Premium^TM label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.
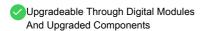
Learn more about Green Premium ›

Guide to assess a product's sustainability ›

Transparency   RoHS/REACh

Resource performance

✓ Upgradeable Through Digital Modules And Upgraded Components

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards

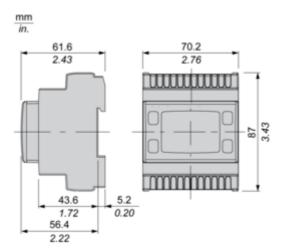**Reach Regulation**   REACh Declaration

Eu Rohs Directive   Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation   China RoHS declaration

Environmental Disclosure   Product Environmental Profile

Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Circularity Profile   End of Life Information

California Proposition 65   WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
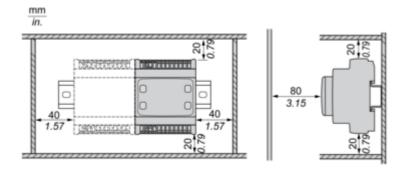
Dimensions Drawings

Dimensions

mm
―――
in.

61.6
2.43

70.2
2.76
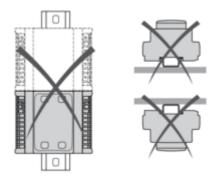
87
3.43

43.6
1.72

5.2
0.20

56.4
2.22

Mounting and Clearance
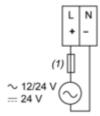
Mounting and Clearance
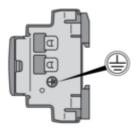
Clearance

Misplacement

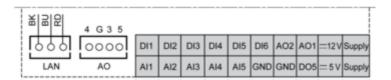Connections and Schema
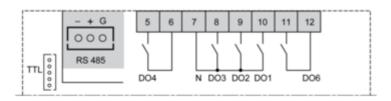
Power Supply

(1) Type T fuse (Controller: 1.25 A , Expansion: 1 A)

Wiring Diagram

N : Neutral
GND : Ground
BK : Black
BU : Blue
RD : Red
AI : Analogue input
AO : Analogue output
DI : Digital input
DO : Digital output